

I claim:

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1.

An ultrasonic revasculizer for creating holes or openings in the heart to revasculize infarcted or blocked areas to create collateral blood flow to the damaged area of the heart , comprising:

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an elongated handle having first and second ends;

an elongated tubular neck having proximal and distal ends;

said proximal end of said neck being secured to said handle at said first end thereof and extending therefrom;

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an enlarged depth guard at said distal end of said neck;

an ultrasonic needle selectively longitudinally movably extending from said neck and said depth guard;

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a manual control movably mounted on said handle which is operatively connected to said needle for controlling the longitudinal movement of said needle with respect to said depth guard;

a depth gauge on said handle which indicates the longitudinal position of said needle with respect to said depth guard;

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said needle being operatively connected to a source of ultrasonic power for ultrasonically driving said needle.

2.

The revasculizer of claim 1 wherein said neck is flexible.

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3.

1 The revasculizer of claim 1 wherein said manual control comprises a slide button
slidably movably mounted on said handle.

4.

5 The revasculizer of claim 1 wherein said depth guard comprises a flat, disc-shaped member positioned on said distal end of said neck.

6.

10 The revasculizer of claim 3 wherein said depth gauge comprises indicia marks positioned on said handle adjacent said slide button.